

Fig. 1

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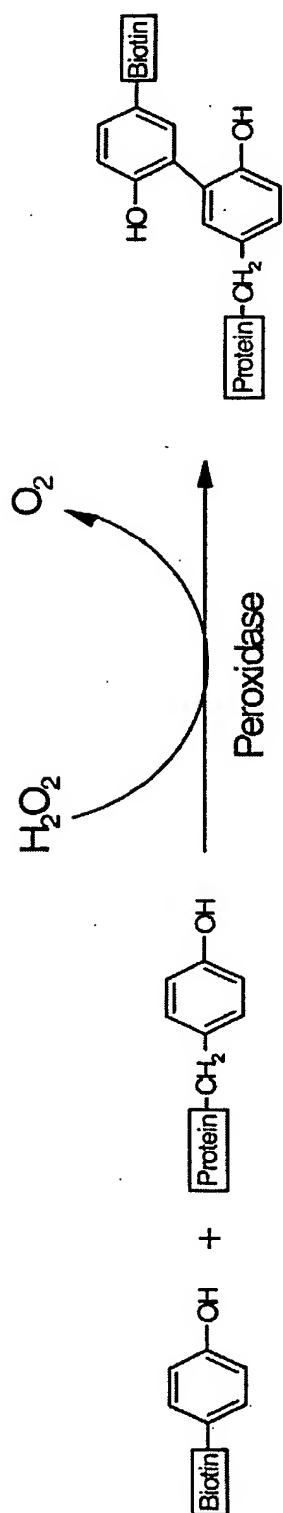


Fig. 2

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Fig. 3

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*P. aeruginosa* EstA:

GAAGAAGATCGGCCCTGTGGGCGGTACTTCTGCTGGGGGTCGCTCTGCTGGTAATAATGGCAATGAGCCT  
 GCTGCGTTCTCGCCGAACAAGCCATGAGCCGTTCCGCGCTATGCTGTTCCGGCTGAGGAGGCTTTACG  
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 CGATCCTGCCGGCCCCGCGGAAGCACCTCGCGTTTCACCAACCGGGTCGGCCCCGACCTA  
 CCAGAACGGCAGCGGCGAGATCTTCGGACCGACCGCGCCCATGCTGCTCGGCAATCAGCT  
 CGGCATCGCCCCGGGTGACCTGGCTGCCTCGACCTCGCGGTCAACGCCCAGCAGGGCAT  
 CGCCGACGGCAACAACCTGGGCGGTGGGCGGTACCGGACCGATCAGATCTACGACTCGAT  
 CACCGCGGCAACGGCTCGCTGATCGAGCGGACAATAACCTCCTGCGCAGCCGCGATGG  
 CTACCTGGTGGACCGTCCCCGCCAGGGCCTGGGTGCCGACCCGAACGCGTTGTACTACAT  
 CACCGGGCGGCGCAACGACTTTCTCCAGGGGCGCATCCTCAACGACGTCCAGGCCCAACA  
 GGCCGCGGTGCGCTGGTGGATAGCGTGCAGGCCCTGCAGCAGGCCGGCGCGCGCTACAT  
 CGTGGTCTGGCTGTTGCCCGACCTGGGCGGTACCCCGGCTACCTTCGGTGGTCCCTTGCAG  
 CCTTCGCCAGCCAACCTCAGCGGCACGTTCAACGCCGAGCTGACCGCCAGTTGAGCCAG  
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 GCTGCACCATGAACCCGACCTACGGGATCAACGGCAGCACGCCCGACCCGAGCAAATTGC  
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 ATTCGCTGCTGTCGGCGCCCTGGGAGCTGACCCTGCTGCCGGAATGGCCCACGGCAACCT  
 GCGTGCCTACGAGACGAACCTGCGCAGCCAGTGGCAGGCGGACTGGGAGAACTGGCAGA  
 ACGTCGGCCAGTGGCGCGCTTCGTCGGCGGCGGTGGCCAGCGCCTGGACTTCGACTCCC  
 AGGACAGCGCCGACGCGGCGACGGCAACGGCTACAACCTGACCTTGGTGGCAGCTACC  
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 ACCAGGAAAACCGCTGGTGGGCGGACGCGGCGTTGACCGGCGGCTACCTCGACTACGACG  
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 GGCCACCTGTGGGCGTTTACGCGCGCGCTGGGCTACGACATCGCCAGCAGGCGGACAGT  
 CCCTGGCACCTGTGCGCGTTTCGTACGCGCGGACTATGCACGGGTGAGGTGACGCGCTATT  
 CCGAGAAGGGCGCCAGCGCCACCGCGCTCGACTACGACGACCAGAAGCGCAGCTCGAAG  
 CGCCTGGGCGCGGCGCTGCAAGGCAAGTACCGGTTCCGGCAGCGATACCCAGCTGTTCGCC  
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 AGCCTGCCGGCAATCGCTTCAACCTCGAAGGCTACACCCCGCAGGACCATCTCAACCGC  
 GTCTCACTCGGCTTACGCCAGAAGCTGGCGCGGAGCTGTGCTGCTGCGCGGCGGCTACAAC  
 TGGCGCAAGGGCGAGGACGATACCCAGCAGAGCGTCAGCCTGGCGCTGAGCCTGGACTTC  
 TGAACCGCGCGCGCGCGCCGGTCGGCGCC

- aa sequence:

←  
 MIRMALKPLVAACLLASLSTAPQAAPSPYSTLVVFGDSLSDAGQFPDPAGPAGSTSRFTNRVG  
 PTYQNGSGEIFGPTAPMLLGNQLGIAPGDLAASTSPVNAQQGIADGNWVAVGGYRTDQIYDSI  
 TAANGSLIERDNTLLRSRDGYLVDRARQGLGADPNALYYITGGGNDFLQGRILNDVQAQQA  
 GRLVDSVQALQAGARYIVVWLLPDLGLTPATFGGPLQPFASQLSGTFNAELTAQLSQAGAN  
 VIPLNIPLLLKEGMANPASFGLAADQNLTGFCGNGCTMNPYTINGSTPDPSKLLFNDSVHPT  
 ITGQRLIADYTYSLSPWELTLLPEMAHGTLRAYQDELRSQWQADWENWQNVGQWRGFVG  
 GGGQRLDFDSQDSASGDGNGYNLTGGSYRIDEAWRAGVAAGFYRQKLEAGAKDSYRM  
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 GYDIAQQADSPWHLSPFVSADYARVEVDGYSEKGASATALDYDDQKRSSKRLGAGLQGKYA  
 FGSDTQLFAEYAHREYEDDTQDLTMSLSLPGNRFTLEGYTPQDHLNRVSLGFSQKLAPELS  
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Fig. 4

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Fig. 5

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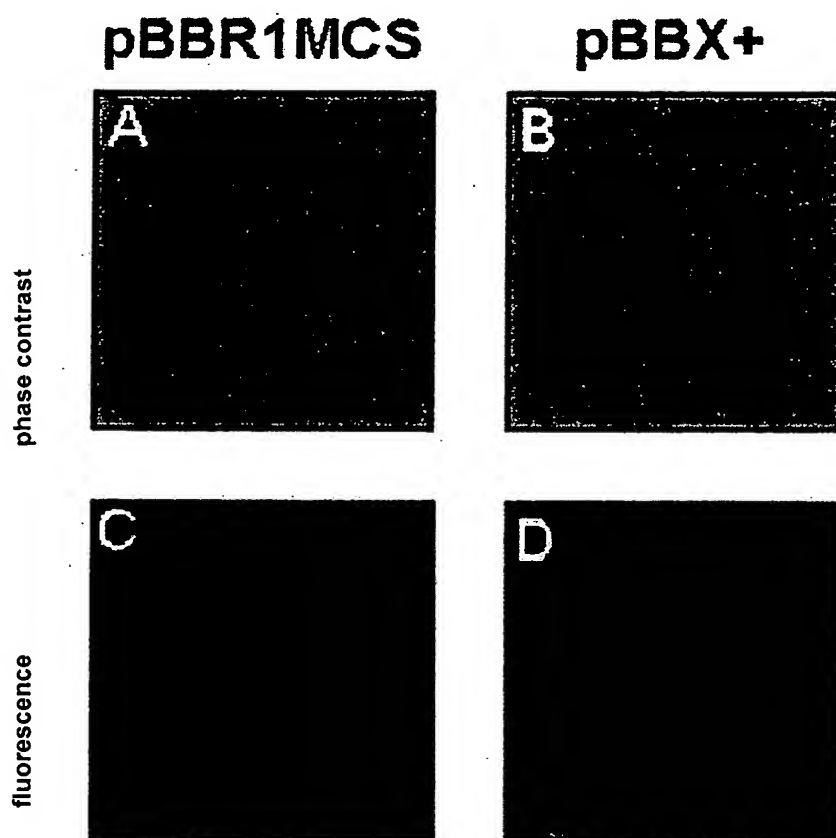


Fig. 6

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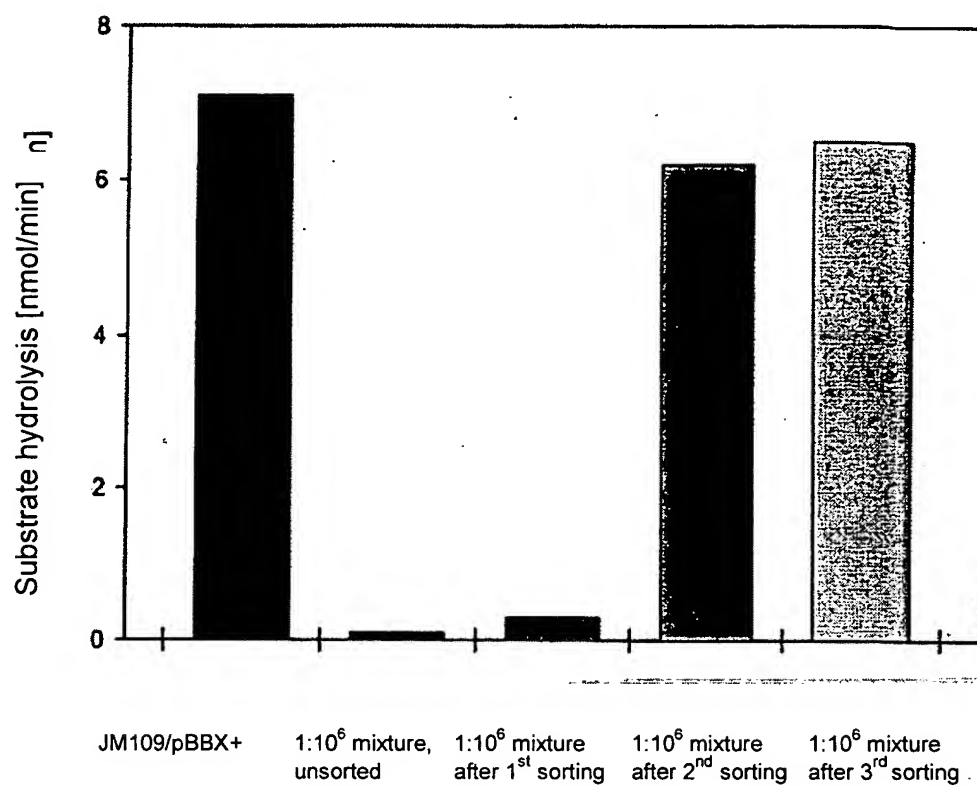


Fig. 7